

Ο'ΑΤ'ΜΠΙΑ ΔΩ'ΜΑΤΑ;
OR, AN
Almanack and Prognostication
for the year of our Lord, 1654.

Being the second from Bissextile or Leap-year, and from the Creation of the World, 5603.

Wherein is contained the state of the whole year, the Eclipses, Lunations, Conjunctions, and Aspects of the Planets, with the Southing, Rising, and Setting of the Moon and fixed Stars, every day in the year, together with other pleasant and necessary Observations, very requisite for men of all sorts,

Calculated according to Art for the Meridian and Latitude of North-*Luffingham* in *Rutland*, where the Pole-Artique is elevated 52. deg. 40. min. lying from the Meridian of *London* Westward 0. deg. 45 min.

By *Vincent Wing*, Mathem.

Magna opera Jehovæ, exposita omnibus qui delectantur illis, Psal. III. 2.

LONDON.

Printed by *J. L.* for the Company
of Stationers, 1654.

Common Notes observable for this present year

1654. according to

The Julian, English, or } The Gregorian, Forreign,
old account. } or New account.

2	{ The Golden number	} 2
11	{ The Cycle of the Sun	} 11
22	{ The Epact	} 12
7	{ The Dominical Letter	} D
7	{ The Roman Indiction	} 7
5	{ The Number of Direction	} 8

A Table to know when the Terms begin and end, the number of their Returns, and the day of the Month whereon they will be this present year, 1654.

Hilary Term begins the 23. of January, and ends the 13. of February: and hath 4. Returns, viz.	Octab. Hillarii	Janu.	30
	Quind. Hillar.	Janu.	27
	Craft. Purif.	Febr.	3
	Octab. Purif.	Febr.	9
Easter Term begins the 11. of April, and ends the 8. of May, and hath five Returns, that that is to say.	Quind. Pasche.	April	10
	Tres Pasche.	April	17
	Mense Pasche.	April	24
	Quind. Pasche.	May	1
	Craft. Ascens.	May	5
Trinity Term begins the 26. of May, and ends the 14. of June, and hath 4. Returns, v. z.	Craft. Trin.	May	28
	Octabis Trin.	May	29
	Quind. Trin.	June	5
	Tres Trin.	June	12
Michaelmas Term begins the 23. of October, and ends the 28. of November, and hath 6. Returns, that is to say.	Tres Michael.	Octob.	20
	Mense Michael.	Octob.	27
	Craft. Animar.	Novemb.	3
	Craft. Mart.	Novemb.	12
	Octab. Mart.	Novemb.	18
	Quind. Mart.	Novemb.	25

The Golden Planet Venus is a glittering evening Star, from the beginning of the year until the 16. of April, but from thence to the 3. of February 1655. she is a bright morning star, rising before the Sun in the East.

A Table shewing the bearing, distance, longest day, and difference of the Meridians, of divers of the chief Cities in the World, from the famous City of London.

The names of the places.	The way they beare	Their distan. miles.	Longest day. No. min	Differ. of Meridian. H. M.
<i>Alexandria in Egypt</i>	S. E. by E.	12169	14 0	2 42. A
<i>Amsterdam</i>	E. by N.	266	16 40	0 28. A
<i>Athens</i>	S. E. by E.	1624	14 40	0 56. A
<i>Antwerp</i>	East <i>ferè</i>	248	16 28	0 24. A
<i>Antioch</i>	East So. East	2319	14 26	3 16. A
<i>Barwick</i>	North <i>ferè</i> .	267	17 24	0 2. A
<i>Babylon</i>	Ea. So. East.	2724	14 25	3 56. A
<i>Burdeaux in France</i>	South <i>ferè</i>	360	15 25	0 8. S
<i>Bridges in Flanders</i>	East	161	16 16	0 16. A
<i>Bethsaida</i>	Sou. Ea. by Ea.	2309	14 6	2 29. A
<i>Calicute in East India</i>	Sou. Ea. by Ea.	5214	12 10	6 8. A
<i>Cambridge</i>	North <i>ferè</i> .	44	16 34	0 1. A
<i>Carlisle</i>	Nor. No. W.	224	17 0	0 10. S
<i>Calice in France</i>	East by Sou.	86	16 25	0 9. A
<i>Constantinople.</i>	East, So. Ea.	1547	15 15	2 24. A
<i>Charon in Mesopotamia</i>	East So. East	2466	14 30	3 36. A
<i>Cicilie Iland</i>	So. Ea. by Sa	1178	14 30	1 8. A
<i>Dover</i>	East by Sou.	49	16 25	0 5. A
<i>Dublin in Ireland</i>	No. W. by W.	296	17 15	0 26. S
<i>Dantzick</i>	Ea. No. East.	961	17 5	1 44. A
<i>Damascus</i>	East, So. East.	2404	14 15	3 16. A
<i>Edenburge in Scotland</i>	North	328	17 40	0 0
<i>Ephesus</i>	East, So. East.	1808	14 40	2 30. A
<i>Florence</i>	South East.	802	15 10	0 57. A
<i>Francford</i>	East. <i>ferè</i>	448	16 15	0 47. A
<i>Fesse</i>	So. So. West.	1365	14 0	0 39. S
<i>Granado</i>	So. by West.	911	14 43	0 45. S
<i>Hamburg</i>	East, Nor. Ea.	538	18 0	0 56. A
<i>Hierusal. m</i>	Sou. Ea. by E.	2352	14 8	3 3. A
<i>Lake of Sodom</i>	Sou. Ea. by E.	2409	14 43	8. A
<i>Lisborne in Portugal</i>	So. So. West.	985	14 45	1 0. S
<i>Iland of Man</i>	No. No. West	358	17 30	0 20. S
<i>Middleburgh</i>	East	205	16 30	0 20. A

The names of the places	The way they bear.	Their distan. miles.	Longest day.		Differ. of Meridian	
			Ho.	min.	Ho.	min.
<i>Mentz in Germany</i>	East.	1410	16	25	0	45. A
<i>Milain</i>	So. East <i>ferè</i> .	645	15	22	0	48. A
<i>Morocco in Barbary</i>	Sou. Sou. West	1449	14	0	0	59. S
<i>Mexico</i>	West by Sou.	6844	13	20	9	28. S
<i>Naples</i>	Sou. Ea. by E.	1051	14	50	1	16. A
<i>Nice</i>	East, Sou. Ea.	1668	15	5	2	32. A
<i>Nineveh</i>	Ea. Sou. East.	2635	14	30	3	52. A
<i>Oxford</i>	North West.	47	16	28	0	5. S
<i>Paris in France</i>	South, So. Ea.	215	15	57	2	13. S
<i>Philippus in Macedonia</i>	Ea. So. East.	1395	15	10	2	3. A
<i>Prague in Bobemia</i>	East <i>ferè</i> .	700	16	15	1	14. A
<i>Quingoy, the greatest</i> (City in the world.	East by Sou.	7272	13	35	11	28. A
<i>Rome</i>	Sou. E. by E.	887	15	4	1	7. A
<i>Spiers</i>	E. by Sou.	430	16	20	0	46. A
<i>Strasborow</i>	Ea. by South.	432	16	0	0	41. A
<i>Toledo in Spain</i>	Sou by West.	934	14	36	0	36. S
<i>Troy</i>	E.. So. East.	1605	15	0	2	24. A
<i>Thomera in India.</i>	S. by W.	7680	12	20	9	52. A
<i>Tangury</i>	East So. East.	6980	14	25	10	28. A
<i>Tumbes</i>	So. W. by W.	6049	12	15	6	56. S
<i>Stanford</i>	North <i>ferè</i> .	70	16	40	0	2 S
<i>Venice</i>	East So. East.	744	15	28	1	3 A
<i>Tork</i>	North	150	17	0	0	0
<i>Caesaria in Cappadocia</i>	East Sou. East.	2064	14	50	3	6 A
<i>Elson-Nore in Den-</i>	No. East.	577	18	0	0	50. A
<i>Joppa</i> (mark	So. Ea. by E	2338	14	6	3	2. A
<i>Iseland</i>	No. No. West.	930	21	44	0	52 S
<i>Cleve</i>	East	303	16	30	0	32 A
<i>London</i>		0	16	26	0	0.

Courteous Reader, There is lately published a Book entituled, the comp'eat Surveyor, containing the whole Art of Surveying of Land, by the Plain Table, Theodolite Circumferentor, and Peractur, after a more easie, exact, and compendious manner, than hath been hitherto published by any. Together with the taking of all manner of Heights and distances, either accessible, or in-accessible, the plotting and protracting of all manner of Grounds, and how to take the plot of a whole Mannor, to cast up the Content, and so make a perfect Chart, or map thereof, &c. Composed by my loving and ingenious friend, Mr. William Leyborn mathematician.

To find the time of the Suns Rising and Setting with the length of the day and night.

In the third Columne of the following Almanack I have set down the time of the Suns Setting for every fourth or fifth day, but if you would have his setting every day, you must make proportion for the intermediate dayes. As upon the fourth of March, I finde the Sun sets at 5, and 42. min. the 6 day at 5 and 52 min. the difference of the Sun set, in time is 10 min. and the difference of daies 5 therefore I see every day gets 2 min. So that if the Sun setting, should be required upon the fourth day (which is three dayes after the first day) you must add 6 min. to 5 hours 42 min. and you shall have the time of the Sun setting upon the said fourth day, at 5 a clock and 48 min. which doubled, giveth you the length of the day 11 hours 36. min. or if you Subtract it from 12 you shall have 6 hours 12 min. for the time of the Sun Rising, which being doubled gives 12 hours 24 min for the length of the night, Do thus of any other.

To finde the time of the Moons comming to the South.

This thing is already done to thy hand in the following Table. for it you finde your moneth in the Top, and your day on the left hand, your hand (in the common Angle) have the hour and minute of her Southing desired.

As upon the 16 day, of January I finde, according to this Direction that the Moon will be South at 6. a clock and 28. min. in the afternoon, therefore if you see her that evening in the South, you may conclude that to be the hour of the night, but if she be in the 11. a clock stead, it is no more then 5. a clock and 28. min. if in the 10. a clock stead, but 4. a clock and 28. min. Again, admit the same night you should see her in the one a clock stead, it is then 7. a clock, and 28. min. if in the two a clock stead, 8. a clock and 28. min. Saving what she varies in her motion, &c. Thus by observing these short Directions, you may (by the help of a Sun-dial) discover the night hour at all times when the moon shines, but because she is not alwaies seen, I have given thee short Rules (in the latter part of the Almanack) how to perform the same by the stars, which is of excellent use.

To finde the time of the Moons Rising and Setting.

This useful thing (so much desired by all) is also ready done to thy hand, and is set down, in the last Columne of the left hand page of the Almanack, against the day of the moneth.

**A Table shewing the hour and minute of the
Moons coming to the South the first six
months of this year, 1654.**

	January.	February	March.	April.	May	June		
	hou.min.	hou.min.	hou.min.	ho.min.	ho.min.	ho. min.		
1	6 M	12	7 M	3 5 M	50 7 M	14 7 M	36 8 M	44
2	6	56	7	54 6	40 8	3 8	24 9	40
3	7	41 8	46 7	32 8	52 9	13 10	41	
4	8	28 9	38 8	23 9	42 10	6 11	44	
5	9	18 10	29 9	14 10	32 11	1 12	46	
6	10	8 11	22 10	5 11	24 12	1 1 A	49	
7	11	1 0 A	14 10	56 0 A	19 1 A	4 2	47	
8	11	53 1	1 11	47 1	17 2	8 3	42	
9	0 A	44 1	52 0 A	38 2	17 3	10 4	32	
10	1	33 2	41 1	30 3	19 4	10 5	19	
11	2	22 3	33 2	25 4	21 5	5 6	4	
12	3	10 4	25 3	21 5	20 5	56 6	46	
13	3	59 5	22 4	20 6	17 6	44 7	32	
14	4	47 6	19 5	20 7	10 7	29 8	12	
15	5	38 7	18 6	20 7	58 8	11 8	55	
16	6	28 8	17 7	18 8	43 8	53 9	41	
17	7	24 9	15 8	12 9	27 9	34 10	27	
18	8	24 10	10 9	4 10	11 10	18 11	16	
19	9	24 11	0 9	52 10	53 11	2 12	8	
20	10	24 11	48 0	38 11	35 11	50 mo.	8	
21	11	23 12	33 11	21 12	18 12	38 1	0	
22	12	18 mor.	33 12	4 mor.	18 mor.	38 1	48	
23	mor.	18 1	16 mor.	4 1	5 1	28 2	34	
24	1	7 1	59 0	46 1	54 2	19 3	20	
25	1	50 2	43 1	30 2	44 3	7 4	7	
26	2	35 3	27 2	16 3	34 3	55 4	52	
27	3	17 4	12 3	4 4	23 4	42 5	40	
28	3	59 5	1 3	51 5	12 5	29 6	31	
29	4	43	4	42 6	0 6	15 7	23	
30	5	29	5	33 6	47 7	1 8	19	
31	6	15	6	23	7	52		

A

A Table shewing the hour and minute of the
Moons comming to the South the last six moneths
of this year, 1654.

Days	July.	August.	Septem.	Octob.	Novem.	Decemb.
	ho. min.	hou. min.	ho. min.	ho. min.	ho. min.	hou. min.
1	9 M 21	11 M. 8	0 A 29	0 A 47	1 A 53	2 A 5
2	10 23	0 A 31	13 1	31 2	41 2	5 2
3	11 24	0 55	2 6	2 19	3 31	3 39
4	0 A 26	1 43	2 41	3 7	4 19	4 24
5	1 24	2 31	3 31	3 56	5 7	8
6	2 17	3 15	4 18	4 45	5 53	5 53
7	3 6	3 59	5 6	5 34	6 38	6 36
8	3 51	4 43	5 54	6 24	7 23	7 24
9	4 36	5 29	6 44	7 12	8 9	8 14
10	5 20	6 17	7 33	7 59	8 57	8
11	6 47	8 58	8 24	8 46	9 47	10 7
12	8 48	7 53	9 13	9 33	10 40	11 9
13	7 32	8 44	0 10	10 21	11 37	12 16
14	8 18	9 35	10 50	11 11	12 41	mor. 16
15	9 7	10 24	11 38	12 6	mor. 41	1 23
16	9 56	11 13	12 29	mor. 51	48	2 21
17	10 46	12 2	mor. 29	1 6	53	3 15
18	11 38	mor. 2	1 21	2 7	53	4 5
19	12 28	0 50	2 16	3 9	47	4 51
20	mor. 28	1 39	3 14	4 10	5 39	5 37
21	1 15	2 27	4 15	5 9	6 25	6 22
22	3 3	3 20	5 15	6 57	7 16	7 5
23	5 24	4 13	6 14	7 58	8 53	7 49
24	3 37	5 9	7 10	8 47	9 38	8 37
25	4 26	6 9	8 58	9 34	10 21	9 22
26	5 16	7 9	9 51	10 18	11 5	10 9
27	6 11	8 9	10 44	11 1	11 51	11 6
28	7 10	9 5	11 31	11 45	12 39	11 49
29	8 10	10 1	12 16	12 30	1 18	12 36
30	9 10	10 10	1 53	1 21	2 1	A 16
31	10 10	11 41	2 1	A 4	2	A 23

January bath xxxi. dayes.

- New moon the 8. day, 36. min. past 3 in the afternoon.
 ● First quarter the 15. day, 7. a clock at night.
 ● Full moon the 22. day, 33. min. past 3. in the afternoon.
 ● Last quarter the 30. day, 41. min. past 11. beforenoon.

Holy and festival days, with Sun set.		Moons signe.	The Planets Affects, & Rising & Setting of the Moon.	Moons signe.	Moons Setting.
1	New year. day	Scor. 1	The weather fair and	1	19
2	Sun set 3. 56.	Scor. 13	indifferent warm.	2	35
3	Enoch.	Scor. 25	Wind and clouds.	3	50
4	Mathus.	Sag. 7	Vc ♀. The wind	5	1
5	Simeon	Sag. 19	♂ ☉ 6. a. is high.	6	7
6	Twelf day	Capr. 1	Variable. ♀ Orient.	7	0
7	Sun set 4. 3.	Capr. 14	The year no sooner be-	7	44
8	1 Sun. af. Ep.	Capr. 27	* ♂ ♀ 8. a. gins but	New	0
9	Marcel.	Aqua. 10	fresh mischiefs are	5	5
10	Paul Er.	Aqua. 23	hatching. The 7, & 9.	6	29
11	Hyginus	Pisc. 7	* ♀ ♀ 12. p. cool	7	56
12	Sun set 4. 9.	Pisc. 20	winds. The 9, 10, & 9	21	
13	Hilarius	Ari. 4	11. Snow-like.	10	48
14	Felix	Ari. 18	The 12. rain or Snow	12	15
15	2 Sun af. Ep.	Tau. 2	The 13, 14, & 15. fair	mo. 15	
16	Marcel.	Tau. 16	♂ ♀ ♀ 10. p. Dark	1	45
17	Sun set. 4. 17.	Gem. 0	and cloudy many da.	3	10
18	Prisca	Gem. 15	SS ♀ ♀. together.	4	29
19	Pontian.	Gem. 29	Multa controversia de	5	41
20	Fab. Seb.	Can. 13	Bq ♀ ♂. bonis eclesi-	6	31
21	Sun set 4. 24.	Can. 27	Bq ♀ ♀. asticiu, seu	7	9
22	3. Sun. af. Ep.	Leo 11	electione spirituali ex-	Full	0
23	Term begin	Leo 25	orientur.	5	A43
24	Timothy	Virg. 8	Indifferent weather.	7	1
25	Conv. P.	Virg. 2	Q ♀ ♀. Variable.	8	21
26	Sun set 4. 34.	Libr. 3	Hasty showers.	9	37
27	Chryso.	Libr. 17	More Serene & fair.	10	53
28	Caro. mag.	Libr. 27	♀ Elong. Max. 2 ☉	12	20
29	Sexagesima	Scor. 9	♂ ♂ ♀ 3. p. Storms	mo. 20	
30	Hippol.	Scor. 21	of snow or rain.	1	26
31	Sun set 4. 43.	Sagit. 3	Kissing goes by favour.	2	41

The 8 day at 2 morn. Mercury

The 12 day at 7 morn. Venus

The same day at 7 night, Mars

The 10 day 11 morn. Jupiter

The 17 day at 3 morn. the 7 *

The 23 day at 11 morn. Saturn.

The 29 day at night, Mars Sets near the Evening star in the West.

} is with the Moon.

D. ho. min. Full Sea at London bridge.

1 9 M 18 Initium anni Juliani 1654.

2 10 2

3 10 47

4 11 34

5 12 24

6 1 14

Day 8. hours.

7 2 7

8 2 59

9 3 50

10 4 39

11 5 28

12 6 16

13 7 5

14 7 53

15 8 44

16 9 34

17 10 30

18 11 30

19 12 30

20 mor. 30

21 1 30

22 2 29

23 3 24

Day 9. hours.

24 4 13

25 4 56

26 5 41

27 6 23

28 7 5

29 7 49

30 8 35

31 9 21

February hath xxviii dayes.

- New moon the 7. day, 17. min. past 6. in the morning.
- First quarter the 14. day, 38. min. past 2. morning.
- Full moon the 21. day, 28. min. past 6. in the morn.

Hely and Festival days with Sun set.		Moons Sign.	The Planets Aspects, and change of ayr, &c.	Rising & setting of the Moon.
1	d Sun set 4. 45.	Sag. 15	♂ ☉ h 2. p. Snow	3 M 48
2	e Purif. Mary	Sag. 27	and winter-like	4 48
3	of Blasius	Capr. 10	weather. 'Tis bad	5 35
4	B Veronic.	Cap. 22	medling with edge	5 10
5	A Shrovesund.	Aqua. 5	tools. The 4. 5. &	6 34
6	b Sun set 4. 55.	Aqua. 19	6. wind & clouds.	6 54
7	c Zachary	Pisc. 2	Temperate winds.	New ☾
8	d Salom.	Pisc. 16	♂ ☉ ♃ 2. a. and	6 A 57
9	e Apollon.	Aries 0	fair to the 10. day.	8 30
10	f Scholaft.	Aries 14	Some are cal'd to	9 58
11	B Sun set 5. 5.	Aries 23	an account, others	11 30
12	A Sun in Len.	Taur. 13	stick in the Briars,	12 57
13	b Term ends	Taur. 27	and can scarce get	no-57
14	c Valentin.	Gem. 11	♂ ♀ 7. a. out. clo.	2 22
15	d Faust.	Gem. 25	Fair. ♂ ♃ 11. p.	3 35
16	e Sun set 5. 15.	Canc. 9	Indifferent.	4 32
17	f Constan.	Canc. 23	Snow-like. ☐ ♀ D	5 13
18	B Concord.	Leo 6	winds and clouds.	5 41
19	A Sun in Len.	Leo 20	♂ ♀ 7. a. raising	6 2
20	b Euchar.	Virg. 3	Snow or rain.	6 18
21	c Sun set 5. 25.	Virg. 16	Craft brings nothing	Full ☾
22	d Cath. P.	Virg. 29	home. More fall	7 A 12
23	e Serenus	Libr. 11	and Seasonable.	8 41
24	f Matthias Ap.	Libr. 23	Warm. ♂ ♂ 5 p.	9 57
25	B Sun set 5. 34.	Scorp. 5	* ♀ ♀ 10. a. Great	11 13
26	A Sun in Len.	Scor. 17	♂ ♃ 11. p. wind	12 27
27	b Fortuna	Scor. 29	towards the end of	mo. 27
28	c Macar.	Sag. 11	the moneth.	1 39

Moons-Rising.

Moons-Setting.

Moons-Rising.

The 5 day at 6 morning Mercury

The 7 day at 7 morn. Jupiter

The 10 day at 2 afternoon, Mars


The same day at 7 night, Venus

The 13 day at 9 morn. the 7 *

The 19 day at 4 afternoon, Saturn

Jupiter lyeth hid under the Sun beames, and cannot be seen
all this Moneth.

is with the Moon.

D. hou. min. Full  at London bridge.

1	10	M	9
2	11		0
3	11		52
4	12		44
5	1		35
6	2		28
7	3		18
8	4		7
9	4		58
10	5		47
11	6		39
12	7		31
13	8		28
14	9		25
15	10		24
16	11		23
17	12		21
18	mor.		21
19	1		18
20	2		6
21	2		54
22	3		39
23	4		22
24	5		5
25	5		49
26	6		33
27	7		18
28	8		7

Day 10. hours!

Day 11. hours.

March hath xxxi. dayes

Left quarter the 1. day, 18. min. past 8. in the morning.

● New moon the 8. day, 15. min. past 6. at night.

First quarter the 15. day, 4. min. past 10 in the morn.

● Full moon the 22. day, at 10. a clock at night.

► Last quarter the 31. day, 43. min. past 1. in the morning.

R.	N.	Holy and festival	Moons	The Planets Aspects,	Rising & Set.
D.	D.	days, with Sun fest.	sign.	and change of age, &c.	of the Moon.

1	D	Sun set 5.42.	Sag. 23	* Υ ♀ 9. p. Fair.	1	M 40
2	e	Chad.	Capr. 5	Mild and Temperate.	3	33
3	f	Maurice	Capr. 17	It's hot strik home.	4	13
4	B	Adrian.	Aqua. 1	Cloudy. \square ♂ D 3. p	4	40
5	4	Sun in Lent	Aqua. 13	warm. T d h ♂.	5	2
6	b	Sun set 5.52.	Aqua. 27	B q \odot h. Cloudy.	5	15
7	c	Felicitas	Pisc. 10	Post est occasio calva.	5	33
8	D	Cyprian	Pisc. 25	The 7, 8, and 9. daies	New D	
9	e	Prudent.	Aries 9	Variable.	7	A 36
10	f	Michæas	Aries 24	Δ h \odot 7. a. Cold.	9	9
11	B	Sun set 6.2.	Taur. 9	The 11. & 12. dayes	10	43
12	5	Sun in Lent	Taur. 21	overcast. \square h D.	12	11
13	D	Ernestus	Gem. 8	* Υ ♂ 3. a. Verbum	no. 11	
14	c	Eurich.	Gem. 22	Sat Sapientibus.	1	31
15	D	Longin.	Canc. 6	♂ \odot ♀ 11. a. High	2	36
16	e	Sun set 6.13	Canc. 20	SS Υ ♀. winds.	3	21
17	f	Gertrud.	Leo 3	Fair. \odot 7. 5. V	3	52
18	B	Gabriel	Leo 16	Cloudy if not rain.	4	15
19	6	Sun in Len.	Leo 29	SS \odot Υ . Palm-Sund.	4	29
20	b	Rupert	Virg. 12	Fair. ♂ Υ D 6. a.	4	46
21	c	Benedic.	Virg. 25	Indifferent.	5	1
22	D	Sun set 6.25	Libra 7	♂ ♂ ♀ 6. p. Apert.	Full D	
23	e	Gottrid.	Libr. 15	Part. to rain.	7	A 41
24	f	Quirinus	Scorp. 7	Seasonable.	9	1
25	B	Anun. Mary	Scor. 14	Some lewd act is com	10	20
26	7	Easter-day	Scor. 26	mitted by the Ir sh.	11	31
27	b	Sun set 6.36	Sag. 7	♂ Apog.	12	37
28	c	Gideon	Sag. 19	wind and cl uds.	no. 37	
29	D	Eustach.	Capr. 1	Dry. SS \odot ♂.	1	34
30	e	Guido	Capr. 12	Δ h ♂ 1. p. Δ \odot h \odot	2	18
31	f	Sun set 6.44.	Capr. 26	Cl udy.	2	59

The 7 day at 5 morning, Jupiter
 The 8 day at 5 morning, Mercury
 The 11 day at 8 morning Mars
 The same day at 4 afternoon Venus
 The 18 day at 7 night
 Mercury lyes hid under the Wings of the Sun.
 The 22 day in the evening, Mars sets 6 deg. South from the even-
 ing star, Venus.

is with the Moon.

D. ho. min. *Full Sea at London bridge.*



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2	9	46
3	10	38
4	11	29
5	12	20
6	1 A	11
7	2	2
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10	4	36
11	5	31
12	6	27
13	7	27
14	8	26
15	9	26
16	10	24
17	11	18
18	12	10
19	mo.	10
20	0	58
21	1	44
22	2	27
23	3	10
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27	6	10
28	6	57
29	7	48
30	8	39
31	9	29





































Day 12. ho. Night 12 ho. Equal day and night.

Day 23. hours.

April hath xxx. daies.

- New moon the 7. day, 45. min. past 3. in the morning.
- First quarter the 13. day, 26. min. past 6. at night.
- Full moon the 21. day, 51. min. past 1. in the aftern.
- Last quarter the 29. day at 4. in the afternoon.

 	Holy and festival Moons dates with Sun set. Sign.	The planets Aspects, and change of ayr, &c.	Rising & set of the Moon.
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1	 Sun set 6.46	Aqua. 8	The 1, & 2. dayes	3 M.14	Moons Rising.
2	 Low-Sunday	Aqua. 21	cloudy; after expect	3 31	
3	 Christian.	Pisc. 4	 7.p. winde and	3 47	
4	 Ambrose	Pisc. 18	rain.	4 1	
5	 Vincent	Aries 3	*  3.a. seasonable	4 13	
6	 Sun set 6.56	Aries 17	Go on and fear not,	4 27	Moons Setting.
7	 Celestine	Taur. 2	it will be thy own.	New	
8	 Dionysius	Taur. 17	Wind and clouds.	9 A 51	
9	 2 Sun af. Ea.	Gem. 2	 flat in  6. p	11 20	
10	 Ezekiel	Gem. 17	Fair,  Elong. Max.	12 34	
11	 Sun set 7.5.	Canc. 2	 Cloudy.	mo. 34	Moons Rising.
12	 Term begins	Canc. 16	Variable.  4.	1 26	
13	 Justinus	Leo 0	Warm. *  3	2 2	
14	 Tiburt.	Leo 13	Perhaps rain.	2 29	
15	 Sun set 7.13.	Leo 26	Springing weather.	2 48	
16	 3. Sun. af. Ea.	Virg. 9	 0. Rain.	3 3	Moons Setting.
17	 Anicetus	Virg. 22	 6.p. wind	3 15	
18	 Apollon.	Libra 4	Seasonable.  8	3 27	
19	 Timoth.	Libra 16	SS  P Cloudy.	3 38	
20	 Sun set 7.22	Libra 28	In populs, graves ex-	3 49	
21	 Adelar.	Scor. 10	actiones, & insolitas	Full	Moons Rising.
22	 Emanuel.	Scor. 22	solutiones.	9 A 24	
23	 4. Sun af. Ea.	Sag. 4	The 20, & 22. over-	10 34	
24	 Sun set 7.30	Sag. 16	cast. The 23, 24, &	11 34	
25	St. Mark	Sag. 28	& 25. temperate.	12 21	
26	Clerus	Capr. 10	* 13. Cleer.	no. 21	Moons Setting.
27	Anastas.	Capr. 22	* 3. a. winds.	3 55	
28	Vitalis	Aqua. 4	At the moneths end,	1 20	
29	Sun set 7.38	Aqua. 17	cloudy. if not thun-	1 40	
30	Rogation-S.	Pisc. 0	4.p. der.	1 54	

The 4. day, at 1 morn. Jupiter

The 8. day at 2. morn. Venus

The same day 2 afternoon, Mercury,

The 9. day at 2. morning Mars

The 14. day at midnight, Saturn

The 23. day at 2. afternoon, Cor. π

Venus is with the Sun this moneth, and after the 16. day becomes a bright morning Star.

} is with the Moon.

D. ho. min. Full Sea at London bridge.

1 10 20

2 11 9

3 11 58

4 12 48

5 1 A 38

6 2 30

7 3 25

8 4 23

9 5 23 Day 14. hours.

10 6 25

11 7 27

12 8 26

13 9 23

14 10 16

15 11 4

16 11 49

17 12 33

18 mo. 33

19 1 17

20 1 59

21 2 41

22 3 24

23 4 11

24 5 0 Day 15. hours.

25 5 50

26 6 40

27 7 29

28 2 18

29 9 6

30 9 53

Moons Rising.

Moons Setting.

Moons Rising.

May hath xxxi. dayes.

- New moon the 6. day, 17. min. past 11. beforenoon.
- First quarter the 13. day, 35. min. past 4. in the morn.
- Full moon the 21. day, 17. min. past 5. in the morning.
- Last quarter the 29. day, 48. min. past 2. in the morning.

Holy and festival days, with Sun set.		Moons sign.	The Planets Aspects, & change of ayr, &c.	Rising & setting of the Moon	
1	b Phil. & Jacob	Pisc. 13	High winds about	2 M 9	Moons Rising.
2	c Sun set 7. 43.	Pisc. 27	☿ ☽ ♀ 1. a. these	2 22	
3	d Invent. Cr.	Aries 11	☿ ☽ 11. p. daies.	2 34	
4	e Ascension day	Aries 26	status infelix magnus	2 49	
5	f Gotha.	Tau. 11	viris, & mercatori-	3 6	
6	g Sun set 7. 50.	Tau. 26	bus. The 5, & 6.	New ☾	Moons Rising.
7	h 6 Sun. af. East.	Gem. 11	* ♄ ♀ 3. a. Seafo-	10 A 12	
8	i Term ends	Gem. 26	nable.	11 17	
9	k Job	Can. 11	Fair and false in—	12 2	
10	l Pancrat.	Can. 26	The 8, 9, & 10,	mo. 2	
11	m Sun set 7. 56.	Leo 10	wind and clouds.	0 33	Moons Rising.
12	n Gordian.	Leo 23	☿ ☽ 10. p. Turbu-	0 55	
13	o Servatius	Virg. 6	lent ayre perhaps	1 11	
14	p Whit-Sunday	Virg. 19	* ☿ ☽ 12. p. Some	1 26	
15	q Sophia	Libra 1	thunder.	1 37	
16	r Sun set 8. 3.	Libra 13	London trembles.	1 45	Moons Setting.
17	s Jodocus	Libra 25	Cloudy. ☿ ☽ 9. p.	1 56	
18	t Venant.	Scor. 7	Indifferent.	2 9	
19	u Sara	Scor. 19	VVind and clouds.	2 26	
20	v Sun set 8. 7.	Sag. 1	☿ ☽ ☿ h. Cool.	2 45	
21	w Trinity-Sun-	Sag. 13	☿ 10. 2. II. ☽ ☽ D.	Full ☾	Moons Setting.
22	x Helena	Sag. 25	Large promises and	10 A 6	
23	y Desider.	Capr. 7	flow performances.	10 56	
24	z Esther	Capr. 19	Holesome gales.	11 23	
25	a Sun set 8. 12.	Aqua. 1	Cloudy. ☿ ☽ 4. p.	11 43	
26	b Term beg.	Aqua. 14	☿ ☽ 3. p. Blustering	11 59	Moons Setting.
27	c Beda	Aqua. 26	ayre.	12 13	
28	d 1. Sun. af. Tri.	Pisc. 9	* ♀ ☽ 4. a.	mo. 13	
29	e Maximi.	Pisc. 22	♀ Elong. Max. a ☽	0 24	
30	f Sun set 8. 16.	Aries 6	☿ ☽ 3. a. warm.	0 35	
31	g Petronel.	Aries 20	Overcast. △ ☽ h.	0 51	

The 1 day at 8 night, Jupiter,	} is with the Moon,
The 4 day at 4 night, Venus,	
The 7 day at 7 night, Mars	
The 6 day at 1 morning Meroury	
The 12 day at 8 morning Saturn	
The 20 day at 8 night, Cor. m	
The 29 at 10 morning, Jupiter	}

D. ho. min. Full Sea at London bridge.

1	10	M 4 2
2	11	30
3	12	19
4	1 A	12
5	2	7
6	3	7
7	4	9
8	5	14
9	6	16
10	7	16
11	8	11
12	9	1
13	9	50
14	10	35
15	11	17
16	11	59
17	12	40
18	no.	40
19	1	24
20	2	8
21	2	56
22	3	44
23	4	34
24	5	25
25	6	13
26	7	1
27	7	48
28	8	35
29	9	21
30	10	7
31	10	58

Day 16. hours,

June hath xxx. dayes

- New moon the 4 day, 10 min. past 6 in the afternoon
- First quarter the 11 day, 47 min. past 4 in the afternoon
- Full Moon the 19 day, 3 min. past 8 at night.
- Last quarter the 27 day, 49 min. past 10 before noon

K L	M N	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Rising & setting of the Moon
1	e	Sun set 8.17.	Tau. 4	Cloudy. ♂ ♀ 5. p.	1 M 7
2	f	Marcell.	Tau. 19	△ ☉ ♃ 11. p. Clear	1 26
3	g	Erasmus	Gem. 4	and windy & per.	1 56
4	h	2 Sun. aft. Tri.	Gem. 19	wholesome blasts	New 3
5	b	Bonifac.	Can. 4	♂ ♂ ☉ 0. Warm	9 A 46
6	c	Sun set 8. 19.	Can. 19	△ ♃ ☉ 4. p. Fair	10 25
7	d	Paul. Ep.	Leo. 4	SS ♂ ♀. Variable.	10 50
8	e	Medard	Leo. 18	Be well advised, or else	11 11
9	f	Barnim.	Virg. 2	fit still.	11 25
10	g	Sun set 8. 20.	Virg. 15	Qh ♀ The 8. cloudy.	11 38
11	h	3 Sun. aft. Tri.	Virg. 28	Fair. ♂ ♃ ☉ 2. 2.	11 50
12	b	Blandin.	Libr. 10	△ ♀ ☉ 8. p. Hot &	12 1
13	c	Cyrrillus	Libr. 22	Td. ♃ ♂. Sultry.	mo. 1
14	d	Term ends	Scor. 4	Variable. SS. ♀ ♀	0 16
15	e	Sun set 8. 19	Scor. 16	Thou that cheatest thy	0 27
16	f	Ruland.	Scor. 28	Countrey, must shortly	0 47
17	g	Gundulph.	Sag. 10	☉ ♃ ♀ 3. 2. answer it	1 11
18	h	4 Sun. af. Tri.	Sag. 22	at the Bar of justice.	1 39
19	b	Gervase	Capr. 4	The 17. blustering	Full 0
20	c	Regina	Capr. 16	sire.	9 A 22
21	d	Sun set 8. 17.	Cap. 28	☉ ♃ ♀ 4. 2. Cold	9 43
22	e	Achatius	Aqu. 11	rain. Td ☉ ♃.	10 0
23	f	Basilus	Aqu. 23	Not much unlike.	10 13
24	g	John Baptift	Pisc. 6	Cloudy and cool.	10 36
25	h	5 Sund. af. Tr	Pisc. 19	Td. ♃ ♀. Windy.	10 38
26	b	Sun set 8. 13	Aric. 2	Holland is afraid of a	10 51
27	c	7 dorm.	Aric. 16	a storm not far off.	11 7
28	d	Leo	Taur. 0	♂ ☉ ♀ 11. 2.	11 33
29	e	Peter Apost.	Taur. 14	Lofty winds these	11 46
30	f	sun set 8. 10	Taur. 28	♂ ♂ ♀ 11. p. daies.	12 22

The first day at 5. night Venus

The 3. day at 4. morn. Mercury

The 5 day at noon, Mars

The 8 day at noon, Cor. ☾

The same day, at 8 night, Saturn

The 25 at 7 night, Jupiter

The 30 day, at 7 morn. the 7 *

Mars and Mercury are with the Sun at the end of the Mon.

} is with the Moon.

D. ho. mi. Full Sea at London bridge.

1 11 M 50

2 12 46

3 1 A 47

4 2 50

5 3 52

6 4 55

7 5 53

8 6 48

9 7 38

10 8 25

11 9 10

12 9 52

13 10 38

14 11 18

15 12 1

16 mor. 1

17 12 47

18 1 33

19 2 22

20 3 14

21 4 6

22 4 53

23 5 40

24 6 26

25 7 13

26 7 58

27 8 46

28 9 37

29 10 29

30 11 25

Longest day cont. 16. ho. 40. min.

July hath xxxi. dayes.

- New moon the 4 day, 30 min. past 1 in the morning.
 ● First quarter the 11 day, 23 min. past 7 in the morning.
 ● Full moon the 19 day, at 10 a clock in the morning.
 ● Last quarter the 26 day, 44 min. past 4 afternoon.

Holy and Festival Moons: The Planets Aspects & Rising & setting days with Sun set.		Signs change of the air, &c.		of the Moon.	
1	B	Sun set 8.9.	Gem. 13	△ 24 ♀ 7. p. Windy.	mo. 21
2	B	6. Sun. af. Tri.	Gem. 28	Vifit. Mar. Fair.	1 13
3	B	Cornelius	Canc. 13	△ 24 ♂ 4. p. thund.	2 30
4	C	Ulricus	Canc. 28	Scotland ! what shall	New 1
5	D	Anshel.	Leo 12	I say to thee ? thy Ru-	9 A 8
6	E	Sun set 8.3.	Leo 26	lers will fail when the	9 15
7	F	Demetrius	Virg. 10	storm comes, that is	9 39
8	G	Chilian	Virg. 23	SS 12 ☉. impend-	9 51
9	B	7. Sun. af. Tri.	Libr. 6	ing.	10 1
10	B	7. Frat.	Libr. 18	☉ ☽ 6. p. Thund.	10 14
11	C	Sun set 7.56.	Scor. 0	and lightning.	10 28
12	D	Henricus	Scor. 12	* ♀ ☽ 8. p. Some	10 44
13	E	Margar.	Scor. 24	wind and clouds.	11 6
14	F	Bonavent.	Sag. 6	☾ Apog. Indifferent	11 31
15	G	Sun set 7.51	Sag. 18	cleer and warm.	12 16
16	B	8. Sun. af. Tri.	Cap. 0	Indifferent.	mo. 16
17	B	Alexius	Capr. 12	Fair. ☉ 4. 19. ♀.	1 13
18	C	Matern.	Capr. 25	Warm. * 24 ☾.	2 21
19	D	Dog. da. beg	Aqua. 7	☉ ☽ ☽ 0. Bluffring.	Full 1
20	E	Sun set 7.43.	Aqu. 20	☉ 24 ☽ 1. 2. Tem-	8 A 19
21	F	Daniel.	Pisc. 3	perate. ☉ ☽ ☾ 5. a.	8 33
22	G	Mar. Mag.	Pisc. 16	Warm. ☉ 24 ☾ 12.	8 48
23	B	9. Sun. af. Tri.	Pisc. 29	Overcast.	8 59
24	B	Sun set 7.38.	Aries 13	* 12 ♀ 10. a. missing	9 12
25	C	James Ap.	Aries 26	rain.	9 27
26	D	Anna	Taur. 10	Fair and Warm.	9 48
27	E	Martha	Taur. 24	☉ 12 ☾ 6. p. Cloudy.	10 19
28	F	Panthal.	Gem. 9	Variable.	11 0
29	G	Sun set 7.30.	Gem. 23	Bq ☉ 24 warm.	11 38
30	B	10 Sun. af. Tr.	Canc. 8	Overcast.	12 15
31	B	German.	Can. 22	△ 24 ☾ 0. Fair.	1 M 15

August hath xxxi. dayes.

- New moon the 2 day 5. min. past 10. before noon
- First quarter the 9 day 14 min. after midnight
- Full moon the 17 day 43 min. past 10 at night
- Last quarter the 24 day, 4 min. past 10 at night
- New moon the 31 day, 20 min. past 9 at night

Day	Letter	Holy and festival days, with Sun set.	Moons Sign	The Planets Aspects & change of the Ayre, &c.	Rising & Setting of the Moon.
1	c	Lammas day.	Leo 6	Fair and Warm.	2 M 43
2	d	Sun set 7. 21.	Leo 21	A great Eclipse of the	New D
3	e	Domin.	Virg. 4	Sun to be seen, which	7 A 43
4	f	Aristarchus	Virg. 18	V-c ♄ ☉ presages	7 58
5	g	Sun set 7. 14.	Libr. 1	high matters.	8 11
6	a	1 Sun. af. Tr.	Libr. 14	The winde is high	8 22
7	b	Afra	Libr. 27	♄ ♄ ♄ 2. a. The	8 35
8	c	Ladisl.	Scor. 9	8, 9, and 10. fair.	8 52
9	d	Roman.	Scor. 21	On no hand meddle	9 8
10	e	Sun set 7. 7.	Sagit. 3	not 'tis lost labour.	9 37
11	f	Titus	Sagit. 14	Warm thunder and	10 15
12	g	Clara	Sagit. 26	hail soon follows.	11 5
13	a	12 Sun. af. Tr.	Capr. 8	♄ ☉ ♄ 9. a.	12 8
14	b	Bertram	Capr. 20	V-c ♄ ♂. Troubles	m. 8
15	c	Sun set 6. 57.	Aqua. 3	abroad, and divisions	1 25
16	d	Rochus	Aqua. 16	at home.	2 46
17	e	Agapirus	Aqua. 29	Eclipse & visible.	Full c
18	f	Helena	Pisc. 12	Indifferent.	6 A 59
19	g	Schaldus	Pisc. 25	A breathing ayre.	7 12
20	a	13 Sun. af. Tr.	Arie. 9	The 20, & 21. fair.	7 24
21	b	Sun set 6. 45	Arie. 23	Cloudy but warm.	7 40
22	c	Simphan.	Tau. 7	* ♀ ♀ ☉. Some wind.	8 1
23	d	Zacheus	Taur. 21	Hor. ☐ ♂ ☐ 8. p.	8 16
24	e	Barthol. Ap.	Gem. 5	Flying Clouds.	9 3
25	f	Ludowic.	Gem. 19	♄ ♄ ☐ 11. a. Fair	9 56
26	g	Sun set 6. 36	Canc. 4	Windy and overcast	11 5
27	a	14 Sun. af. Tri.	Can. 18	S S ♂ ♄. Variable.	12 26
28	b	Dog da. end	Leo 2	* ♀ ☐ 11. a. Cloudy.	mo. 25
29	c	Decol. Jo.	Leo 16	☉ 15. 45. m.	1 57
30	d	Felix Pr.	Leo 29	Thunder-like.	1 26
31	e	Sun set 6. 25.	Virg. 13	A fair change.	New D

Moons-Setting

Moons-Rising

The 1 day, at 9 night, Mars.
 The 3 day, at 2. morn. Saturn.
 The 4 day, at 1 aftern. Mercury,
 The 19 day, at 2 morn. Jupiter.
 The 23 day, at 6 night, the 7 *
 The 28 day at 11 night, Venus
 The 30 day, in the after. ♀ & ♂.

is with the Moon.

Saturn and Mars are with the ☉, and cannot be seen.

D. ho. mi. Full Sea at London bridge.

1	2	A	14
2	3		9
3	4		1
4	4		49
5	5		37
6	6		21
7	7		5
8	7		49
9	8		34
10	9		23
11	10		11
12	10		59
13	11		50
14	12		41
15	mo.		41
16	1		30
17	2		19
18	3		8
19	3		56
20	4		45
21	5		33
22	6		26
23	7		19
24	8		15
25	9		15
26	10		15
27	11		14
28	12		11
29	1	A	7
30	1		59
31	2		47

Day 14. hours.

Day 13. hours.

September hath xxx. dayes.

- First quarter the 8 day, 45 min. past 8 at night.
 Full moon the 16 day, 24 min. past 10 in the morning
 Last quarter the 23 day, 15 min. past 4 in the morning.
 New moon the 30 day, 4 min. past 11 before noon.

*His and fiddial Moons The Planets Aspects Rising & Set
 days, with Sun set. Sign & changes of Aspects, &c. of the Moon.*

1	f	Sun set 6.23.	Virg. 26	Bq ♀ ♀. Temperate	6 A 24	Moons-Setting.
2	B	Rachael	Libr. 9	Overcast, Thunder	6 34	
3	2	15 Sun. af. Tr.	Libr. 22	♂ ♀ 8.2. and rain.	6 51	
4	b	Theodore.	Scor. 4	♂ ☉ ♀ 4. p. windy.	7 6	
5	c	Zacharie.	Scor. 17	Vc. ♀ ♀. Seasonable	7 23	
6	d	Sun set 6.13.	Scor. 29	Flying clouds.	7 47	
7	e	Regina	Sag. 11	Fair. ☉ Apog.	8 20	
8	f	Nat. Mar.	Sag. 22	Turbulent storms	9 5	
9	B	Gorgon.	Capr. 4	♂ ♀ ♀ 11. a. of	10 4	
10	2	16 Sun af. Tr.	Cap. 16	wind. Δ ☉ ♀ 1. p.	11 12	
11	b	Sun set 6. 3.	Cap. 28	Alas O France! I can	12 32	Moons-Rising.
12	c	Tobias	Aqu. 11	not but bewail thy in-	mo. 32	
13	d	Amatus	Aqu. 24	fortunate condition	1 54	
14	e	Exalt. Cruc.	Pisc. 7	Pavis I am Sorry for	3 15	
15	f	Nichodemus	Pisc. 20	thee, and Lions too.	4 42	
16	B	Sun set 5.53.	Aries 4	♂ ♀ ♀ 3. a.	Full 6	
17	2	17. Sun. af. T.	Arie. 18	SS. ☉ ♀. The 15,	5 A 57	
18	b	Ferreolus	Taur. 3	16 & 17. dayes win-	6 16	
19	c	Januarius	Taur. 17	dy. The 19, 20, or	6 41	
20	d	Sun set 5.44.	Gem. 2	♂ ♀ ♀ 8. a. 21.	7 15	
21	e	S. Matthew	Gem. 16	Cold rain, and misty	8 3	Moons-Rising.
22	f	Mauric.	Can. 0	Tempestuous & win-	9 8	
23	B	Joel.	Cap. 14	♂ ♀ ♀ 2 p. dy air.	10 24	
24	2	18 Sun. af. Tr.	Cap. 28	Sit still, other waies	11 46	
25	b	Sun set 5.34.	Leo 12	thou wilt have cross	12 15	
26	c	Cyprian.	Leo 25	carding. More tem-	1 M 15	
27	d	Judith	Virg. 9	Vc. ♀ ☉. perate	2 41	
28	e	Weacel.	Virg. 22	♂ ♀ ♀ 7. p. and sea-	4 4	
29	f	S. Michael.	Libr. 5	onable then before.	5 25	
30	B	Sun set 5. 24.	Libr. 18	SS. ☉ ♀.	New 6	

The 1 day, at 10 morning Mercury
 The 7 day at 3 morning, Cor \cap
 The 15 day at 5 morning Jupiter
 The 20 day at 2 morning, the 7 *
 The 27 day at 6 morning, Saturn
 The same day at 9 night, Venus
 The 28 day at 6 morn. Mars
 The 29 day at 6 morn. Mercury

is with the Moon.

D. Ho. m. Full Sea at London bridge.

1	3	A	35
2	4		19
3	5		6
4	5		51
5	6		37
6	7		24
7	8		12
8	9		0
9	9		50
10	10		39
11	11		30
12	12		19
13	mo.		19
14	1		6
15	1		56
16	2		44
17	3		34
18	4		27
19	5		22
20	6		20
21	7		21
22	8		21
23	9		20
24	10		16
25	11		1
26	12		12
27	0	A	50
28	1		37
29	2		22
30	3		8

Cor. Ω and Φ neer together in the East.
 Equal day and night, each containing 12 hours

Day 11. hours.

October hath xxxi. dayes

First quarter the 8 day 51 min past 1 in afternoon.

Full moon the 15 day, 5 min. past 9 at night.

Last quarter the 22 day, half an hour after noon.

New moon the 30 day, 35 min. 3 in the morning.

Holy and festival Moons days, with sun set.	Sign	The Planets Aspects & change of Ayre, &c.	Rising & set- ing of the Moon.
--	------	--	-----------------------------------

19	Sun. af. Tr.	Scor. 0	S S h ♀. Variable.	5 A 18	Moons-Setting.
b	Sun set 5. 29.	Scor. 13	Fair. Δ 4. p.	5 35	
c	Simplicius	Scor. 25	Bq. 4 ☉. Indiffer.	5 57	
d	Franciscus	Sag. 7	Cloudy. Apert. Por.	6 27	
e	Fides	Sag. 19	♂ ☉ ♀ 5. aro rain or	7 8	
f	Aurelia	Capr. 0	hail.	8 2	
g	Sun set 5. 9	Cap. 12	Warm. * 4. p.	9 7	
20	Sun. af. Tr.	Cap. 24	Cloudy. The 9, and	10 21	
b	Dionisius	Aqu. 6	10, seasonable.	11 39	
c	Gedcon	Aqu. 19	Paris! thy consultati-	12 59	
d	Burchar.	Pisc. 2	ons are clandestine, and	mo. 59	Moons-Rising.
e	Sun set 4. 58.	Pisc. 16	thy actions disrelish-	2 21	
f	Tiloma	Arie. 0	ing—	3 45	
g	Calixtus	Arie. 13	The 11, & 13. cloudy.	5 11	
21	Sun af. Tr	Arie. 27	SS. ♂ ♀ Cold.	Fall D	
b	Gallus	Tau. 12	The 16, 17, & 18. a	9 A 41	
c	Sun set 4. 50.	Taur. 27	little overcast.	5 19	
d	Luke Evang	Gem 12	High winds are pre-	6 3	
e	Prolem.	Gem. 26	♂ ☉ ♀ 9. p. faged.	7 2	
f	Wendel.	Can. 11	* h ♀ 4. p.	8 18	
g	Sun set 4. 42.	Can. 2	Multa mala minari	9 42	Moons-Rising.
22	Sun. af. Tr.	Leo 9	videretur. The 20, 21,	11 9	
b	Term begins	Leo 22	22, & 23.	12 33	
c	Salome	Virg. 5	Δ 4 ♀ 6. a. Fair.	mo. 33	
d	Crispin.	Virg. 19	The 24, 25, and 26.	1 56	
e	Sun set 4. 33.	Libr. 1	Δ ☉ 4 7. p. gentle	3 14	
f	Victoria	Libr. 14	winds. ☉ 14, 12 m.	4 32	
g	Simon & Ju	Libr. 28	Qh ♀. cold & cloudy	5 50	
23	Sun. af. Tr.	Scor. 9	More warm.	7 5	
b	Abfalon	Scor. 21	♂ ♀ 4 5. p. windy.	New D	
c	Sun set 4. 24.	Sagit. 3	Id. 4 ♀. Rain.	4 A 15 S.	

The 4 day, at 9 morning, Cor. m

The 12 day, at 10 morning Jupiter

The 24 day, 4 afternoon, Saturn

The 26 day, at 9 night, Mars

The 28 day at 2. morning Venus

The 30 day at 5 night, Mercury

The 5 day in the morn. Mars riseth half the breadth of the Moon to the Southward of the morning Star, Venus.

} is with the Moon.

}

D. ho. min. *Full Sea at London bridge.*

1	3	A	53
2	4		38
3	5		25
4	6		13
5	7		2
6	7		51
7	8		40
8	9		30
9	10		18
10	11		5
11	11		52
12	12		39
13	mo.		39
14	1		27
15	2		17
16	3		12
17	4		12
18	5		13
19	6		15
20	7		16
21	8		16
22	9		11
23	10		4
24	10		53
25	11		4
26	12		24
27	1	A	7
28	1		5
29	2		37
30	3		31
31	4		10

day 10 hour.

Day 9. hour.

November hath xxx. dayes.

First quarter the 7 day, 13 min. past 8 in the morning.

Full moon the 14 day 23 min. past 7 in the morning.

Last quarter the 20 day, 52 min. past 11 at night.

New moon the 28 day, 13 min. past 10 at night.

*Holy and festival Moons. The planets Aspects & Rising & Setting
Days with Sun sets. Sign, changes of the air, &c. of the Moon.*

d	All Saints.	Sag. 15	SS ♀ ☿. Variable.	5 A	7
e	Sun set 4. 20.	Sag. 27	Some clouds.	5	56
f	Theophilus	Cap. 9	Fair and temperate.	6	59
g	Modestius	Cap. 21	<i>Fie, fie, upon it.</i>	8	9
a	14 Sun. af. Tr.	Aqu. 3	Overcast.	9	23
b	Leonard.	Aqu. 15	Vc ♄ ♂. Indifferent.	10	42
c	Sun set 4. 12.	Aqu. 27	Pretty good.	11	59
d	Claudius	Pisc. 10	Turbulent blasts of	13	20
e	Theodore	Pisc. 23	☿ ♀ ♄ p. rain, hail,	1 M	20
f	Mart. p.	Aric. 6	or Snow.	2	41
g	Sun set 4. 6.	Ari. 20	* ♃ ♀ 1. p.	4	7
a	25 Sun. af. Tr.	Tau. 5	☿ ♄ ♀ 6. p. windy.	5	34
b	Eugenius	Tau. 20	<i>A rope for a Parret.</i>	7	31
c	Frideric.	Gem. 5	Cold. & Perig.	Full	♄
d	Leopold.	Gem. 20	Δ ♄ ♀ 6. a. temperate.	4 A	39
e	Sun set 3. 59.	Canc. 5	Mutable. Bq ♄ ♂	5	55
f	Hugo	Can. 20	Seasonable. ☿ & ♂	7	18
g	Hesiohius	Leo 5	☉ 6. 29. ♄. Fair.	8	48
a	16 Sun. af. Tr.	Leo 19	Overcast. Δ ♀ &	10	14
b	Amos	Virg. 2	Q ♃ ♀. Cold rain or	11	37
c	Sun set 3. 52.	Virg. 16	☿ ☉ ♃ 4. p. Snow	12	58
d	Cæcilia	Virg. 29	SS. ♂ ♀. is to be ex-	mo.	58
e	Clorens	Libr. 11	pected. ☉ 11, 34. ♄	2	15
f	Chrislog.	Libr. 24	Warm and temperate	3	32
g	Sun set 3. 48.	Scor. 6	Winds purging the	4	46
a	27 Sun af. Tr.	Scor. 18	☿ ☉ ♄ 5. p. ayre.	6	1
b	Gunther.	Sag. 0	<i>Fine words, foul deeds.</i>	7	12
c	Termonds	Sag. 12	Stormy.	New	♄
d	Sun set 3. 43.	Cap. 24	& Apog. * ♂ & 8. p.	3 A	42
e	Andrew Ap.	Cap. 6	Flying clouds.	4	38

The 8 day, at 8 night, Jupiter.
 The 13 day at 8 night, the 7 *
 The 21 day at 1 morn. Saturn.
 The 24 day, at 2 afternoon, Mars
 The 24 at 3 morn. Spica ny
 The 27 day, at 10 morn. Venus
 The 30 day, at 7 night, Mercury

} is with the Moon.

D. ho. min. Full Sea at London bridge.

1	4	A	59
2	5		47
3	6		37
4	7		25
5	8		13
6	8		59
7	9		44
8	10		29
9	11		15
10	12		3
11	mor.		3
12	0		53
13	1		46
14	2		43
15	3	4	7
16	4		54
17	5		59
18	6		59
19	7		48
20	8		42
21	9		31
22	10		16
23	10		59
24	11		44
25	12		27
26	1	A	11
27	1		57
28	2		45
29	3		34
30	4		22

Day 8. hour.

December hath xxxi. dayes.

First quarter the 6 day 7 min. after midnight.

Full moon the 13 day, 42 min. past 5 at night.

Last quarter the 20 day, 14 min. past 2 in the afternoon.

New moon the 21 day, 46 min. past 7 at night.

	Holy and feasts with Sun set.	Moons Sign.	The Planets Aspects, & change of Ayre, &c.	Rising & setting of the Moon.
1	Sun set. 3. 43.	Capr. 17	Δ h \varnothing 1. p. Wind.	5 A 47
2	Candid.	Capr. 29	\varnothing in Elong Max. Δ \odot	7 3
3	Advent Sun.	Aqua. 11	The 2. warm, The 3.	8 18
4	Barbara	Aqua. 24	Variable. Expect cold	9 34
5	Sabina.	Pisc. 6	\square h \varnothing 12. p. rain or	10 53
6	Sun set 3. 42.	Pisc. 19	Snow.	12 11
7	Agathon.	Aries 2	At latter Lammas	mo. 11
8	Concep. Mar.	Aries 15	wind and clouds.	1 30
9	Joachim	Aries 29	h stat in T d \odot	2 55
10	2 Sun. Adv.	Tau. 13	Δ h \varnothing 6. a. Variable	4 20
11	Sun set 3. 40.	Tau. 28	\varnothing \varnothing \varnothing . Some drops.	5 29
12	Valerius	Gem. 13	Cold morn. fair aft.	7 10
13	Lucia	Gem. 28	Indifferent.	Full \odot
14	Nicasius	Canc. 14	Wind and Clouds.	4 A 34
15	Abraham	Canc. 29	Not very cold.	6 5
16	Sun set 3. 41.	Leo 13	\varnothing \odot \varnothing Fair.	7 37
17	3. Sun. Adv.	Leo 28	\odot 6. 4. \varnothing . cloudy.	9 4
18	Christopher	Virg. 12	Look for winterly	10 28
19	Loth	Virg. 25	weather till Saint	11 50
20	Sun set 3. 43.	Libr. 8	\varnothing \odot \varnothing 4. a. Thomas	13 7
21	Thomas Ap.	Libr. 21	Δ \odot h 7. a. Snow.	1 M 7
22	Theodor.	Scorp. 3	Variable, cloudy.	2 23
23	Sun set 2. 45.	Scor. 15	\varnothing \varnothing \varnothing 7. a. Warm.	3 38
24	4. Sun. in Adv.	Scor. 27	\star \odot \varnothing 15. Winds &	4 51
25	Christs Nat.	Sagit. 9	\varnothing \varnothing \varnothing 7. a. wet.	5 57
26	Stephen Prot.	Sagit. 21	'Tis Christmas time,	6 54
27	John Evang.	Capr. 3	therefore be merry and	7 42
28	Innocents.	Cap. 15	relieve the poor.	New \odot
29	Sun. set 3. 51	Cap. 26	Δ h \varnothing 5. p. The 27.	4 A 34
30	David	Aqua. 9	winds and clouds.	5 50
31	1 Sun. af. Chr.	Aqua. 21	19. cloudy. 30, 31. fair	7 10

Moons Setting.

Moons Rising.

Set.

The 6 day at 6 morn. Jupiter
 The 11 day at 7 morn. the 7. *
 The 17 day at 7 morn. Cor Ω
 The 18 day, at 9 morning, Saturn
 The 13. day, at 7 morning Mars
 The 27 day at 8 morning Mercury
 The same day at 10 night Venus

is with the moon

D. ho. mi. *Full Sea at London-bridge.*

1 5 A 11

2 5 58

3 6 45

4 7 30

5 8 14

6 8 59

7 9 42

8 10 30

9 11 20

10 12 14

11 mor. 14

Shortest day containing 7. ho. 20. min.

12 1 13

13 2 15

14 3 22

15 4 19

16 5 27

17 6 21

18 7 11

19 7 58

20 8 43

21 9 28

22 10 11

23 10 55

24 11 43

25 12 28

26 1 A 15

27 2 0

28 2 55

29 3 42

30 4 29

31 5 15

Finis anni Julij 1654.

The Dominion of the Moon in Mans body passing under the 12. Zodiacal Constellations.



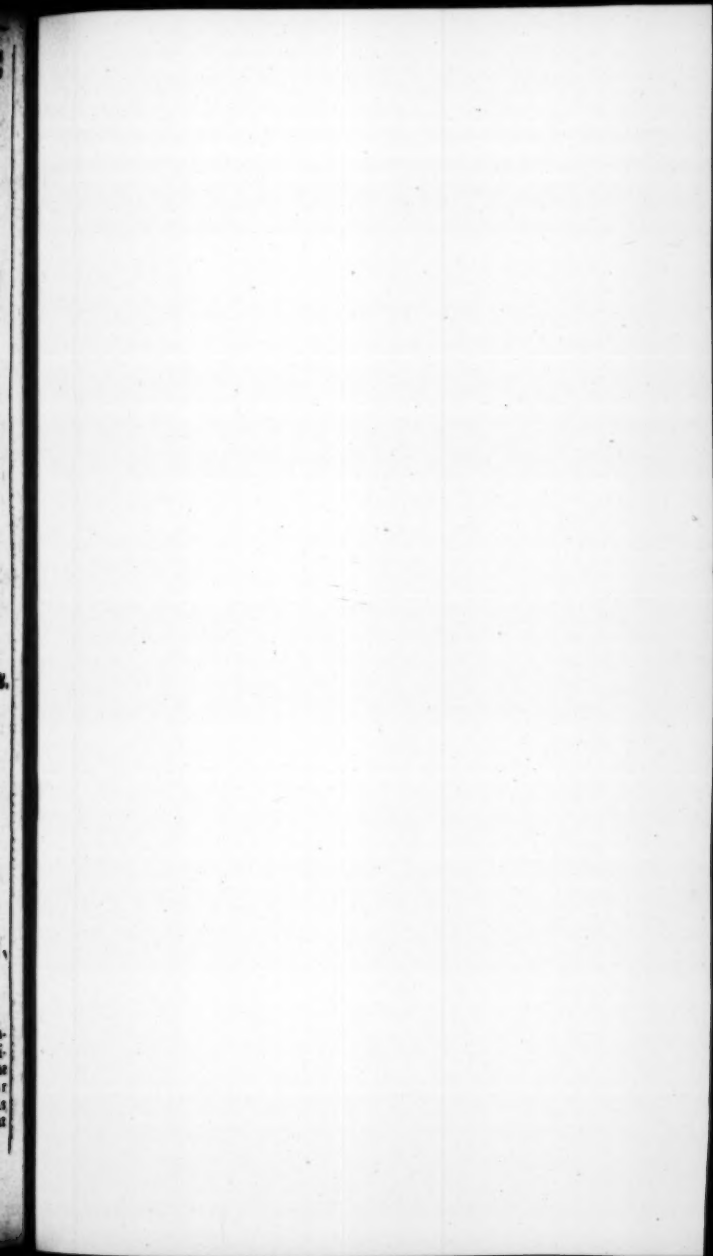
The Characters of the Seven Planets, with Drag. head and tayl.

♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercur.
♁ Dragons-head, ♊ Dragons-tayl.

The Aspects both old and new.

- ☿ Conjunction, when Planets are in one sign and degree.
- ♊ Semisextile, when they are asunder 1. Sign.
- ♋ Sextile, when they are 2 signs distant.
- ♌ Quintil, when they are one from another 3 Sign 12 deg.
- ♍ Quartile, when Planets are distant 3 signs
- ♎ Tridecile, when they are 3 signs 18 deg. distant.
- ♏ Trine, when they are parted 4 signs,
- ♐ B. quintile, when they are removed one from another, 4 sign 24. d.
- ♑ Quincunx, when they are 5 signs distant,
- ♒ Opposition, when they are distant 6 sig. or the Semicircle.

In the fifth Column of the preceding Almanack is inserted some of the most notable Conjunctions and Aspects of the Planets, as they will happen this year, according to Harmonicon Coeleste lately published. And herein you are to observe that if you finde, after the Aspect the letter A annexed, It intimates that the Aspect hapneth Antemeridlem, or before noon. But if you finde the letter P, It stands for post Meridlem, or after noon, as the 16. of Septemb. ♂ ♃ ♄ 3. a. which is an Opposition of Jupiter and Mercury at 3. a clock before noon, or in the morning.



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ing. 1654.

A PROGNOSTICATION

For the Year of Mans Redemption

1654.

Of the Eclipses this Year.

Quatuor hoc anno celebrantur Eclipses. The number of Eclipses that will happen this Year are four: Twice shall this primary Planet the Earth which we inhabit, be deprived in part of the Sun's illuminating Rales, and twice also shall the Earth's Planet, the Moon, lose part of her Sun-borrowed luster, by the interposition of the Earth between the Sun and her: three of which Eclipses will be visible in our Portion of great Britain.

The first Eclipse is of the Sun, upon Tuesday the 7 of February, near 6 a clock in the morning; but it cannot be seen of us, and therefore I forbear to speak further thereof.

The second is a visible Eclipse of the Moon, upon Tuesday the 21 of February, 13 min. past 6 a clock in the morning, at which time the North part of the Moon will be darkened by the shadow of the Earth, to the quantty of 4 Digits.

	ho.	min.	
The beginning at	5.	4.	} In the morning accord- ing to the apparent time.
The middle	6.	13.	
The end	7.	21.	

The beginning and middle of this Eclipse will be visible to us, but before the end he hides her self in the Western Ocean. The chief Ruler of this Eclipse is Iupiter, who at the middle thereof is in the very Cuspis of the Ascendent, in Pilees, his own house, and fortunate, which promisseth a pleasant, and frutesfull Season, and a sweet temperature of the ayre, yea and much felicity in generall. Eclipses Lunæ in 12 decano secundo, in consuetore, tribas, & huiusmodi hominum forense genus perniciem parat. Thus saith Proclus: But indeed the Eclipse is small, and therefore the effects will be proportionable, for 'tis a maxim. in Astrolo. that Parvæ Eclipses parum nocent, & in paucis operantur, Medio.

A Prognostication

eres in multa, & maiorem habent efficaciam, maximæ vero & maximæ, & in pleraq; suam efficaciam diffundunt. And as for the duration of the effects, they continue two moneths and nine daies, beginning (according to Ptolomies Rule) about the beginning of February 1655

The third is a great Eclipse of the Earth (or Sun if you will) upon Wednesday the second of August, at 9 a clock and 16 min. in the forenoon (Meridiano Londinens) at which time we shall be deprived of the Suns light to the quantity of 10 digits, 15 min. and because we shall not again, in England, see so great an Eclipse in many years to come, I shall give you the Calculation thereof from my new Tables in my Epit. Astron Restituta.

The mean time of the true Coniunct.	at Lon Aug I.	22. 26. 8
The true place of the Luminaries,		N. 19. 34. 40
The Cozquate Anomaly of the Sun,		1. 13. 42. 0
The Cozquate Anomaly of the Moon,		8. 7. 14. 0
The Argument of the Moons latitude,		5. 24. 28. 8
The true latitude of D from O,		28. 50
The Reduction,	Add	1. 21
The time of Reduction,	Subst.	2. 18
The corrected time of the true Coniunct.	I.	22. 23. 40
Equation of time,	Subst.	6. 55
The apparent time of the true O	Aug. I.	22. 16. 45
The hourly motion of D from O,		32. 54
The Sun's Semidiameter,		16. 6
The Moon's Semidiameter,		16. 19
The Semidiameter of the Earths Disc,		56. 52
The Semid. of the Penumbra,		22. 25
Sum of the Semidiameters,	I	20. 16

In this Synopsis, the Sum of the Moons latitude and Semidiameter of the Penumbra are 61. 15". which being greater then the Semidiameter of the Earths Disc, it argues that all the Penumbra is not contained upon the Earths Disc.

The min. of half the universall Duration,	d. 1. 1	1. 24. 29
The min. of half the Centroll Duration,		49. 1
The time of half the universall Duration,		2. 34. 4
The time of half the Centroll Duration,	I.	29. 24

Hence,

At Sun-rise	{ Beginning	h. 1. 1	19. 42. 40
	{ Centroll Eclipse		20. 47. 20
In the 90 ^d —	Centroll Eclipse		22. 16. 45

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At Sun-set { Centrall Eclipse
End

23. 46. 9
0. 50. 49

Having run thus far in the generall part of the Calculation, I think it not improper to describe the particular places of the Earth, which are liable to one of the most eminent Appearances of the Sun's visible Body; and herein I shall follow the Doctrine delivered in my Epit. Astronomiz Restitutæ.

I. A Determination of the place where this Eclipse begins at Sun-rise.

Time given at London in Degrees	295	40
Right Ascension of the Medium Cæli	77	41
Altitude of the Nonagesime Degree	66	6
The Horizon	Ω	19
The Elevation of the North pole	40	30
Oblique Ascension of the Horizon	128	46
Right Ascension of the Medium Cæli	38	46
Difference of the Meridians West	38	55
Therefore the Longitude sought is	342	5

II. A Determination of the place wherein the Sun riseth totally and centrally Eclipsed.

Time given at London in Degrees	311	50
Right Ascension of the M. C.	93	50
Height of the Nonagesime Degree	54	26
Place of the Horizon	Ω	19
The Altitude of the North pole	51	0
Oblique Ascension of the Horizon	122	41
Right Ascension of the M. C.	32	41
Difference of the Meridians West	61	9
Therefore the Longitude inquired is	319	51

III. A Determination of the place where the Sun is totally and centrally Eclipsed in the 90 Degree.

Time given at London in Degrees	334	11
Right Ascension of the mid. Heaven	116	12
Height of the Nonagesime Deg.	59	32
The Horizon	m	19
Altitude of the North pole	43	30
Oblique Ascension of the Ascend.	244	42
Right Ascension of the M. C.	144	42
		Difference

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Difference of the Meridians East	38	30
Therefore the Longitude inquired is	59	30

IV. A Determination of the place where the Sun sets totally and centrally Eclipsed.

Time given at London in Degrees	356	32
Right Ascension of the Medium Cali	138	31
Height of the Nonagesime Degree	64	23
The Ascendent	19	34
Altitude of the North-pole	7	0
Oblique Ascension of the Horoscope	323	53
Right Ascension of the Medium Cali	233	53
Difference of the Meridians East	95	21
Therefore the Longitude inquired is	116	21

V. A Determination of the place where the Eclipse ends at Sun-set.

Time given at London in Degrees	12	41
Right Ascension of the M. C.	154	42
Height of the Nonagesime Degree	76	3
The Horoscope	19	34
Altitude of the South-pole	4	0
Oblique Ascension of the Horoscope	310	56
Right Ascension of the M. C.	230	56
The difference of the Meridians East	76	14
Therefore the Longitude inquired is	97	14

Having now found out the longitude & latitude of the Earth, the Reader thereby may presently determine by the Globe or Map, what places of the Earth are liable to every of these Appearances, in so much that I will forbear to insist longer upon that particular, and shall now come to determine the time and quantity of this Eclipse, in the Meridian and latitude of the most famous City of our Island of Great Britain, London, where the pole is elevated 51. 32'. The Calculation of this Eclipse I received at large from the Learned hand of Mr. Rich. Fitz-Smith, my singular good friend, which take in brief, as followeth.

	D.	Ho.	4.	8.
The apparent time of the true ☉ is Aug.	I	22	16	45
The Altitude of the Sun		48	2	7
The Altitude of the Moon		48	23	48
The Parallax in Altitudes of D from ☉			38	15
The Parallacticall Angle		47	46	56
The Parallax in Longitude of D from ☉			25	42

Eclipsed

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Which divided by the visible hourly motion?

of D from O, the hour before the true S

Giveth the interval of the true & visible S Subst.

Hence the time of the visible S at Lond. 18 Aug. 1.

At which time the true latitude of D is Nor.

The Altitude of O

The Altitude of D

The Parallaxis altitudinis of D from O

The Parallaxicall angle

The Parallaxis longitudinis of D from O

The Parallaxis latitudinis of D from O

The visible latitude of D from O Nor.

Therefore the Digits Eclipsed are

The minutes of Incidence

The time of Incidence

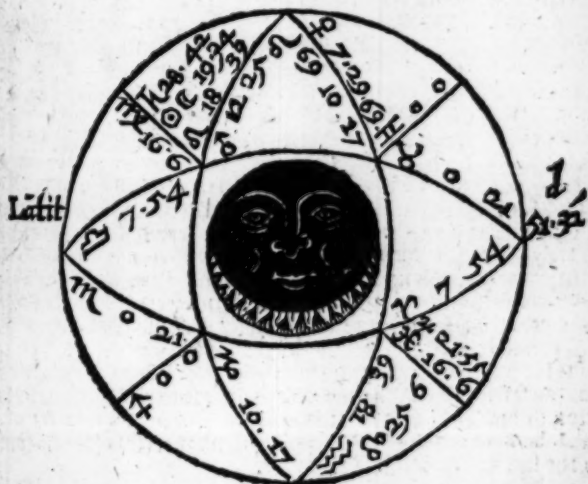
The time of Repletion

The totall Duration

The Interval of the visib. S & greatest obscur.ad.

Hence	{	The beginning at	8	4	32	Before noon.
		The middle	9	16	54	
		The end	10	31	50	

Schema hujus Delipseos Solis,



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The last great Solar Eclipse in March 1651. happened in the 19 degree of the fiery sign Aries (the very place of the Sun's Exaltation) not far from the body of Mars, and in Quartile of Saturne from the Ascendant, which without doubt, did foreshew notable alterations and changes to c'm in the World, and that the honour and este'm of such as were in Authority, and under the sign Aries, should darken and decay, as I hinted in my Almanack that year. And now again this great Eclipse happens in the 19 degree of Leo, a signe also of the same T'ragon, and the House and T'otality of the Sun by Day, and that which is most observable is the strange position of the Heavens at that instant, for as the Sun is located in the 11, so is he there in his own house, environ'd and besieged in a most admirable manner by the two malevolent Planets J and S. O Regiones ac civitates prim' quadrangulo subjectæ, vobis plurima incommoda portendi videntur: nam motus bellici atroces erunt, &c. And notwithstanding J is chief Lord of this Eclipse, (with whom S and D share) yet he is in the 6, and Retrograde in opposition of Q. Cum fuerit Eclipsis Solis in decano Q secundo, regis, magnatum, & procerum, anxietates, & detrimenta minatur. When the Sun shall suffer Eclipse in the second face of Q, it foreshews that the Nobility shall be much dammish'd during the effects thereof, and indeed there is ground enough in Astrology, to conjecture, that not only the great Ones of the World shall tremble and quake, and condole their forlorn condition, but the Commonalty also, shall in some measure be made sensible of the like misery, neither indeed do I expect to see better times, till the influence of this Eclipse be over; however, I hope yet once again, to see distressed England in her pristine estate, yet that cannot be till all the sons of Behai be totally purged and euted, which will shortly be effected to the exceeding joy and comfort of the English Nation. But hark O Traitor! Methinks I hear the noise of War within thy Bowels! What? Art thou now in distresse, and dost thou not quake for fear? I'll assure thee Italy thy condition is like to be sad! yea Rome her self shall be in great confusion, and this shall come to passe ere the year 1657. be fully ended, unless the Lord in mercy avert the same. But because the Effects of this great Eclipse will not manifest themselves till the next year, I shall foreshew particularly to handle the same further at this time, yet I hope my truly honoured friend Geo. Wharton Esq; will give the World satisfaction in his Judicials of this year, as also my worthy friends M. John Booker and M. William Lilly, and therefore I shall come to the last Eclipse visible this year.

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The third visible Eclipse this year (though the 4 in order) is of the Moon, which happens upon Thursday the 17 of August, at 10 a clock and 41 min. in the evening, at which instant the South part of the Moon shall be darkned 2 dig. and a half.

	ho.	min.	
The beginning at	9	46	In the evening of the 17 day.
The middle	10	41	
The end	11	36	

In this Eclipse I and I claim the chief preeminence, yet I is principall, in which respect, I conjecture (according to the precepts of Astrology) that this Eclipse doth, in some measure foreshew strife and dissention both in Ecclesiasticall and Civil affairs, for, In ceremoniis, religione institutis ac legibus, mutationes afferet I, as that famous Astronomer Origanus, pag. 460. declares; besides in mens bodies he foreshews many dry & diseases, quotidian Feavers, Coughs and the like; in the ayre, dyntell and unconstant windes. Luna eclipsata in X denario primo, Sacerdotibus & editibus, antistibusque lucum, & merorem afferet. But because this Eclipse is very small, and not much concerning us in England, I shall passe it over, and here speak no further thereof; yet if you be not herewith satisfied, you may peruse the observations of M. Culpeper, M. Smith, M. Herbert, or the forementioned Authours. who I suppose may be more copious in their Judgements. I come now to the years Revolution.

Of the Revolution of this present Year, 1654.

The Revolution of the year takes alwaies its beginning at such time, as the glorious Sun seems to enter Aries, but the Earth then really entring the opposite point Libra, which either way taken, will happen this year upon Friday the 10 of March at 7 ho 49. 17". in the morning, as shall be here fully examined, by Calculation.

Middle time at London, March 9^d. 19^h. 36^m. 21^s.

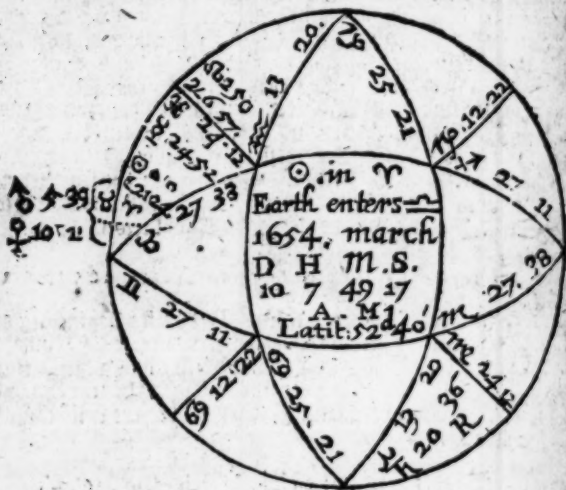
		Longit. ☉		Aperg. ☉	
		S. D.	l. "	S. D.	l. "
Equall time given	Pea. 1654.	9. 20.	7. 34	3. 6.	37. 54
	March C. I.	28.	9. 11		10
	Dayes 9.	8.	52. 15		2
	Hours 19.		46. 49		0
	Min. 56.		2. 18		0
		Sec. 21.	1		0
		C 4		Mean	

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Mean Longitude of Sun.	11. 27. 58.	3. 6. 38.	6
Apogæon of ☉ Substr.	3. 6. 38.	6	
The meane Anomalie.	8. 21. 20.	2	
Equation of the Excent.	Ad. 2. 1. 52		
Suns place from the Earth.	V 0. 0. 0	2 0. 0. 0	0
		Place of the Earth from ☉	

Middle time (therefore) at London (s)	9. 19. 56.	21
Equation of time Substr.		4. 4
Apparent time at London.	9. 19. 52.	17
Difference of Meridians Substr.		3. 0
Apparent time of the Ingresse at N.L.	9. 19. 49.	17

A Figure of the position of the Planetary Bodies,



Touching this Revolution, I say, that although there might be much spoken, and a large judgement Astrologically be grounded thereupon, yet I shall think it sufficient for my part, to give you (in a few words) a probable conjecture of what may ensue, according to the most approved Rules of Art, and to that end I shall (before I treat of the present Position) see what eminent configurations and Eclipses happen in, or neer this year. In the

the first place I finde three notable Oppositions of Saturn and Jupiter, and a great Lunar Eclipse preceding the Revolution; a great Solar-Eclipse and two Lunar-Eclipses in the Revolution; and moreover I finde, that (according to the most approved doctrine of Origanus, pag. 470.) Mars is Almuten of the Revolution it self, having no lesse then 26 signes of longitude in the three Radicall Schemes. From which celestiall configurations we may gather thus much in generall, that as the world (especially the North and North-West part thereof) is on flames already, so Astrologically we may conjecture, that the flames thereof will not yet be extinguish't, notwithstanding all the policy of man that can be used, unlesse it please the Lord in mercy to avert his judgements, and calamities impending, of which I have small hopes, when I see iniquity so generally abounding under the Sun, and people continually running on to their destruction: And it is indeed the property of men (as Tollerbe) in these daies to make only an outward shew of Religion (like the vain-glourious hypocrite in the Gospel) and under Religious pretences, to cozen and cheat their Brethren, and the whole world to boot, were it possible, cunningly thereby to advance their own interest and by ends, as we see many have done of late years, who doubtless will shortly be rewarded according to their demerits. But I shall wave my own judgement (lest the illiterate Reader should think me partiall) and shall come to deliver the opinion of the Ancients upon this present year, 1654.

In the former Figure, Mars is found in the 12 house, which (according to Haly) foretells, that the people under the signe Taurus shall receive much damage and hurt from their enemies, and that there shall be much bloodshed.

In domo 12. interfectiones & interitum multorum juxta naturam signi indicat, Orig par 3. pag. 476. de effectibus. Bonatus affirms, that his position in Taurus, signifies strong winds, and destruction of fruit and fruit-trees, arising from heat and drinels, far exceeding the due and naturall measure. yet I conceive that the Residence of Venus in the same sign will abate much of the influence, especially the application of the Moon to Mars and Venus, which will cause sudden showers of rain presently after the beginning of this Revolution.

The same Author lets not to affirm, that Warlike contentions, and great disquietness will ensue in the world after the Opposition of Saturne and Jupiter. Si quando Jupiter applicuerit ad Saturnum de opposito, significat quod erunt multe rixae & incontinentiae inter homines & gentes; unus animabitur contra alterum, vel inter alios

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alios homines qui sunt inferioris gradus quam reges, &c. Haly 331. de Iud. Astrorum.

Sawne in the 5 house of the Figure foretels more about the births this year, then usual; that there shall be variance and contention with Messengers and Legats, and that they shall not be so faithfull as they ought.

Sol in 12 Domo significat diminutionem aque depressionem, divitum & magnatum, nobilium quoque & eorum mortem: eorumque dignitatum ablationem, & injurias eis illaturas ab ignobilibus. Bonar. 577.

I shall now make no farther Scrutiny into the Astrological Cabinet of Heaven, yet I say (if my judgement do not exceedingly fail) we are like to see as eminent alterations and changes upon the Earth, as our eyes ever yet beheld, and this (I suppose) shall come to passe within a few yeares, yet let me not be misinterpreted in this, for I do not say positively such things will follow, but I say they are likely to be according to the ordinary course of nature, unlesse it please the Almighty to dispose otherwise, and so frustrate the portents of Heaven. Est namque Cælum (saith Thomas de vico Caietanus upon the 104 Psalm) vehiculum divine virtutis, quo mediante motu, & lumine densaturum, ac stellarum ipsius, tanquam secundis causis, Deus cuncta hæc inferiora, & elementaria corpora ordinat, atque disponit.

The Summer quarter begins this year on Sunday the 11 of June, at 10 a clock and 55 min. in the forenoon, the ☉ then seeming to enter Cancer, but the Earth really entering the opposite point Capricorne.

Autumne or Harvest (according to old conceits) begins when the Sun enters Libra, or the Earth, Aries, which will be this year on Wednesday the 13 of September, at 1 a clock and 54 min. in the morning.

Winter begins this year upon Monday the 11 of December at 1 a clock and 23 min. in the afternoon, this primary Planet the Earth then entering Cancer.

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A table of the Suns Right Ascension for every other day this Year.

D	Januar		Febru.		March		April		May		June	
	ho.	m.	ho.	m.	ho.	m.	ho.	m.	ho.	m.	ho.	m.
1	19	33	21	42	23	28	1	20	3	13	5	18
3	19	42	21	50	23	35	1	28	3	21	5	26
5	19	51	21	57	23	43	1	35	3	29	5	35
7	19	59	22	5	23	51	1	42	3	37	5	43
9	20	8	22	12	23	57	1	50	3	45	5	51
11	20	16	22	20	0	4	1	57	3	53	6	0
13	20	24	22	27	0	12	2	5	4	1	6	8
15	20	32	22	35	0	1	2	13	4	9	6	16
17	20	41	22	43	0	26	2	21	4	17	6	25
19	20	50	22	50	0	33	2	28	4	25	6	33
21	20	58	22	58	0	40	2	36	4	34	6	42
23	21	7	23	5	0	48	2	43	4	42	6	50
25	21	14	23	12	0	55	2	50	4	50	6	54
27	21	22	23	20	1	2	2	58	4	58	7	2
29	21	30			1	9	3	6	5	6	7	11
D	July		August		Septemb.		October		Novemb.		Decemb.	
	ho.	m.	ho.	m.	ho.	m.	ho.	m.	h	m.	ho.	m.
1	7	22	9	24	11	18	13	7	15	7	17	15
3	7	31	9	32	11	25	13	14	15	15	17	23
5	7	39	9	40	11	33	13	22	15	23	17	32
7	7	47	9	46	11	40	13	29	15	31	17	41
9	7	55	9	54	11	48	13	36	15	40	17	50
11	8	2	10	2	11	54	13	44	15	48	18	0
13	8	11	10	9	12	2	13	53	15	57	18	9
15	8	18	10	16	12	9	14	0	16	5	18	18
17	8	26	10	24	12	16	14	8	16	14	18	27
19	8	34	10	31	12	23	14	15	16	22	18	35
21	8	42	10	38	12	30	14	23	16	31	18	44
23	8	50	10	45	12	38	14	31	16	40	18	53
25	8	58	10	53	12	45	14	39	16	48	19	2
27	9	5	11	0	12	52	14	47	16	57	19	10
29	9	13	11	7	13	0	14	55	17	6	19	19

A Prognostication:

A Table shewing the Right Ascension and Semidiurnall
Arches of 68 of the principallest fixed Stars;
calculated for this Year 1654.

Names of the Stars.	Right Ascen.		Semi-Arch.	
	Ho.	Min.	Ho.	Min.
Schedir in Cassiopea	0	21	Set	not
Southern * of the Whales-tayl	0	26	4	
The * in the sterion of Cassiopea	0	37	Set	not
The girdle of Andromeda	0	50	10	
Knee of Cassiopeia	1	4	Set	not
The former horn of the Ram	1	35	7	
Whales belly	1	35	4	
Hinder horn of the Ram	1	36	7	
The bright * of the Ram	1	48	8	
Bright * in the jaw of the Whale	2	44	6	
The head of Medusa	2	46	Set	not
The bright side of Perseus	2	59	Set	not
Bright * of the Pleiades, or 7 *	3	27	8	
North eye of the Bull	4	8	7	
Aldebaran	4	16	7	
The Goat	4	51	Set	not
Bright foot of Orion	4	58	5	
North horn of the Bull	5	5	9	
The former Shoulder of Orion	5	7	6	
Former * of Orion's Belt	5	15	5	
Southern horn of the Bull	5	17	8	
Middlemost * of Orions Belt	5	19	5	
The lower * of the Belt	5	23	6	
Right shoulder of Auriga	5	35	Set	not
Following shoulder of Orion	5	57	6	
The bright foot of II	6	18	7	
Syrizus. The greater Dogge	6	30	4	
Procyon. The lesser Dogge	7	21	6	
Bright * in the hinder deck of the ship	7	53	1	
North Acellus	8	23	8	
South Acellus	8	25	7	
Head of Hydra	9	11	6	
Lyons Heart. Βασίλειον	9	50	7	
The * in the hinder part of the Lyons	9	57	8	
The bright * in the flank of A (neck)	10	56	8	
Tail of the Lyon	11	31	7	
The Virgins girdle	12	38	6	

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Names of the Stars.	Right Ascen		Semi. Arch.	
	Ho.	Min.	Ho.	Min.
Andromedæ	12	45	7	9
The Virgins Spick	13	7	5	11
Antares	14	0	8	3
Left shoulder of Bootes	14	18	Set not.	
South Ballance	14	32	4	40
North Ballance	14	59	5	17
Bright Star of the Crown	15	24	8	56
Bright Star of the Serpents neck	15	28	6	40
Antares, The Scorpion Heart	16	8	3	23
Right shoulder of Hercules	16	15	8	10
Left knee of Ophiuchus	16	18	5	8
Right knee of Ophiuchus	16	45	4	36
Head of Hercules	16	59	7	22
Head of Ophiuchus	17	19	7	10
Bright Star of the Dragons Head	17	49	Set not.	
Bright Star of the Harp	18	21	Set not.	
Tail of the Culture	18	50	7	14
The Swans Bill	19	17	8	51
Bright star of the Culture	19	34	6	43
Higher wing of the Swan	19	34	Set not.	
Higher Horn of the Goat	19	59	4	46
Lower horn of the Goat	20	2	4	33
Swans tail	20	30	Set not.	
Lower wing of the Swan	20	32	9	48
Stable of Cepheus	21	24	Set not.	
Mouth of Pegasus	21	27	6	44
Samabant 22	22	38	2	28
Scheat	22	47	8	42
Barabab	22	48	7	33
The Head of Andromeda	23	51	8	53
Bright star in the Chair of Cassiopea	23	52	Set not.	

Of the excellent use of these Tables in finding the hour
of the Night.

Although in the beginning of the Almanack I have given directions to finde the hour of the night by the Moon, which is a thing of special use for all such as have occasion to know the true hour, yet notwithstanding because the Moon is not at all times to be seen, I shall here shew also how to effect the same by the Stars, which I have the more willingly done (at the request of some private friends) in respect of the general use thereof.

The

A Prognostication.

The use of the former Table is twofold: First it teacheth how to finde at what hour and min. any of the Stars therein expressed will be upon the Meridian: or seeing them upon the Meridian, it tells you exactly the hour of the night.

Secondly, It sheweth at what hour and min. any of them Rise or Set, and therefore seeing any of them either in the East or West Horizon, you may also thence learn the night hour. And because the use hereof is of good consequence, I shall make further illustration thereof.

Therefore if the Southing be inquired seek the Right Ascension of the Star, from which subtract the Suns Right Ascension, and the Remainder will be the time Southing: therefore seeing any of the former Stars on the Meridian (as one or other of them is in or near it at all times) you may thence perfectly know the true hour by observing the premises.

Example. Suppose that upon the 15 of October early in the morning, I should espy the Pleiades or seven-Stars upon the Meridian, or South-point, & I am then desirous to know the true hour of the night. Wherefore I seek the Right Ascension of the 7 Stars in the respective Table, which is 3 ho. 27 min. and the Right Ascension of the Sun, which is 14 ho. 0 min. and because Subtraction cannot be made, I adde to the Right Ascension of the 7 Stars, 24 ho. and from the summe 27 ho. 27 min. I deduct the Suns Right Ascension and the Residue is 13 ho. 27 min. from which taking 12, there remains 1 ho. 27 min. in the morning, for the true hour of the night, or time of the 7 Stars coming to the South the 15 to 15 of October.

Again, if the Rising and setting be required, you must (by the Table) finde the Semidurnal Arch, which if you subtract from the time of the Southing, it gives you the time of the rising, but adding the same thereto, it shews the time of setting.

Suppose therefore, the same day you desire to know when the 7 Stars rise and set, seek therefore their Semidurnal Arch, which you shall finde 8 ho. 16 min. which subtracted from the time of Southing 13 ho. 27 min. leaveth the time of their rising at 5 ho. 11 min. at night; but adding them together, it sheweth the time of their setting at 9 ho. and 43 min. the next morning. Therefore in case you should see the 7 Stars rising that night you might conclude it 11 min. past 5 a clock at night, but if you should see them (in the East) an hour high, it is 11 min. past 6, if 2 ho. high, then it is 11 min. past 7, if 3 ho. high, 11 min. past 8, &c.

Having now given directions for the finding the night hours by the Stars, I will also shew how to finde the day hour by the same.

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A Table shewing the true hour of the Day, by help of a plain walking Staff, divided into 12 equal parts or divisions.

Ho. before noon. Ho. after noon.		12	11	10	9	8	7	6	5	4
			1	2	3	4	5	6	7	8
June 6.	11	6.	7.	9	11.	16	23	36	48	312
	16	6.	7.	9	12	16.	23.	36.	49	326
	21	7	7:	9.	12.	16:	23:	36:	71	366
	26	7	7.	9:	12.	6.	23.	37.	74	479
	31	7.	8.	9.	131	17	24.	38:	78	764
July 1.	7	7:	8:	10	1:	17.	25	39.	83	1047
	12	7.	8.	10.	13	18	25.	41.	94	
	18	8	9	10:	13:	19	27	44.	109	
May 5.	23	8:	9.	11	14	20	28	48:	128	
	28	8.	9:	11:	14:	21	29:	52	158	
	30	9.	10	12	15	22	31	58	181	
Aug 2.	7	9.	10:	13	16	23	33	65	193	
	13	10:	11	14	17	24	36	75		
	18	11	12	15	18	25	40	89		
Apr. 4.	23	12	13	16	19	27	44	110		
	28	13	13:	17	20	29	49	146		
	30	14	14:	18	21:	31	55	218		
Sept. 2.	7	15	15:	19:	23	34	64	434		
	12	16.	16:	21	2:	37	73	493		
Mar. 5.	17	17.	18	22:	27	42	98			
	22	18	19	24	30	47	119			
	28	19:	20:	26	33	53	166			
	30	21.	22	28.	36	62	205			
Octo. 3.	8	23	24	31	40	71	240			
	12	25	26	34	44	84				
Febr. 3.	18	27	28	37	49	103				
	23	29	31	41	55	132				
	28	31	33	43	62	175				
	30	33:	36	45	71	255				
Nov. 2.	6	36	38:	49	81	413				
	11	39	41	53	92	508				
Jan. 4.	16	41	44	57	104					
	21	43	47	62	118					
	26	45	49	65	129					
	31	47	51	68	145					
Dec. 1.	6	48	52	70	150					
Dec. 11.	11	49	53	71	154					

In the first great Columbe towards the left hand, under the little Ho. before noon, is inserted the Months and days of the Months, against which towards the right hand under the respective hour, is set down the parts of the shadow of the Staff, and sometimes after a figure, you shall meet with one of these three marks (.) (:) the first point stands for a quarter of a part, the second point is for a half, and the (:) for three quarters.

A Prognostication.

Of the excellent Use of the former Table, in finding
the just hour of the day by a plain-Staff.

Take a Staff or Rod, of what length you please, and divide the same into 12 equal parts, then set it upright in some plain level place, and measure how many parts the shadow thereof contains, which being known, finde out the number of those parts in the Table, right against the day of the month, and in the same column over-head, you have the true hour of the day. But if you cannot finde the just day of the month, neither the said parts exactly, then must you make proportion, or take the nearest thereunto; so shall you obtain the hour of the day, with much facility, as by the following Example doth appear.

Suppose that upon the 9 of April or 13 of August, I should erect my staff perpendicularly upon plain level ground, and finde the shadow thereof to contain 17 parts (that is once the length of my staff and 5 parts more) now seeking in the Table right against the said day, for 17 parts, I finde overhead, that it is then either 9 a clock before noon, or 3 after noon, so that had the observation been in the forenoon, it had been 9 a clock, if in the afternoon, 3 of the clock, as the head of the Table demonstrates.

POSTSCRIPT.

Camdrom Reader,

ABout three years since there was published by this Author an Astronomical Table under the title of *Harmonicon Caeleste*, which I perceive hath since found kind acceptance amongst the judicious for whose sakes I have compiled an Epitome of Astronomy, as a Supplement unto *Harmonicon Caeleste*, which being brought to a wished for perfection I intend shortly to publish the same in our English Tongue, at the instancerequest of divers of my Friends, to whom I have communicated the same in private; to whose desires I have the more willingly assented. in regard that M. Shakerley hath since published his *Tabulae Britannicae*, which are nothing but an Epitome of the Philolaich-Tables of *Antistardus*, their use being a little changed and reduced to a better method; yet is the Hypothesis on which those Tables are grounded not of sufficient exactness without further correction, to save the true motions of the Celestiall bodies, as the admirable Observations of Tycho do plentifully declare, and in particular the Achroind-pulsions of Mars as those who please to examine it will affirm: and of this the Reader may inform himself by the late Solar Eclipse *Aug. 1639. Mar. 29.* when the Philolaich-Tables, and by consequence M. Shakerley's *Tabulae Britannicae*, missed the mark no less than 1st of time, which is an error considerable: Nevertheless I cannot so much blame M. Shakerley as his Learned Author *Philolaichus*, whom he imitates so punctually in his planetary Tables: yet I am confident that I shall shortly make it clearly appear to the world, that the Hypothesis of Copernicus, as it may be corrected, is the most absolute of all others, whereby the Places and Aspects of the Planets may be more truly and readily calculated than by any other whatsoever. Neither is it the Theory of Ptolemy nor the Hypotyposis of Tycho that can perform the like,

Ex Vico N. L. Rodamir
Jun. 6. 1653

VIN. WING.

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